

Abstract

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Title: Case Study of Physiotherapy Treatment of a Patient with Unilateral Transfemoral Amputation

Objectives: Aim of this bachelor thesis is summary of theoretical knowledge about lower limb amputations and diabetes mellitus and processing of case report of patient after transfemoral amputation due to diabetes mellitus.

Methods: This thesis consists of two main parts. The first part is devoted to summary of theoretical knowledge about diabetes mellitus, including general information about this chronic disease, its complications and treatment. It also contains summary of basic information about amputations, rehabilitation after lower limb amputation and prosthetic possibilities. The second part is practical and it is a detailed case report of physiotherapy treatment of patient after transfemoral amputation. It contains detailed complex kinesiology examination, itemization of individual therapeutic units and final evaluation of therapy effect. The case report has been prepared on the basis of practice in the rehabilitation center Vršovická zdravotní a.s. in the period from 14th January to 8th February 2019.

Results: During the therapy, the patient's condition improved as well as his abilities and skills. The positive results are particularly visible in the transition from walking in low walker to walking with crutches with increased quality and lengthening the distance. Therapy can be considered successful.

Conclusion: All predetermined objectives have been achieved in this bachelor thesis. The successful therapy confirmed the effectiveness of the methods, which principles are summarized in the general section.

Keywords: diabetes mellitus, diabetic foot syndrome, prosthetics, lower limb prostheses, phantom pain